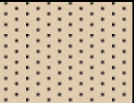

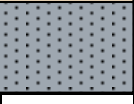
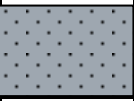
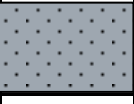

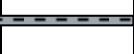




Sample Description For Virginia Beach Geoprobe Site 62D 12

Depth	Lithology	Recovery	Description
0-4		90	0-2 ft is soil and fill. 2-4 ft is clean, well sorted, subrounded, med sand. Trace of dark minerals. Not saturated.
4-8		75+	Tan, clean, well sorted, subangular to subrounded med sand grading downward to a med to coarse sand. Some layers of organics visible. Trace of dark minerals throughout. Saturation at 7.5 ft. Sand catcher used.
8-11.5		100	Gray, clean, moderately well sorted, fine to coarse sand. Trace of dark minerals. Upper 0.4 ft removed to retrieve drive point.
11.5-12			Driller Note: Only collecting 3.5 ft of core to allow for flow into sample liner.
12-15.5		75	Clean, moderately well sorted, subangular to subrounded coarse to v coarse sand. Dark minerals. Good aquifer - much water. Upper 0.3 ft removed to retrieve drive point.
15.5-24			
24-27.5		100	Same material as 12-15.5. Removed upper 0.9 ft to retrieve drive point. Strong H2S odor.
27.5-33			Driller Note: 32-36 ft was v difficult to push through. After poor retrieval at 36-39.5, the geoprobe was moved over about 2 ft and we resampled 33-35 ft. The zone was much easier to push through with the 2 ft sampler.
33-35		80	33-34.3 is a v fine sandy clayey silt. 34.3-35 ft is a clean, subangular to subrounded poorly sorted med to v coarse sand w/ dark minerals. No sulfur odor from lower sand.
36-39.5		<5	Only about 0.5 ft of sample material was recovered. It is a coarse, sandy silty clay (or clayey silt).
39.5-48			Driller Note: This region was relatively soft to drill near the top, but more difficult at the bottom.

Sample Description For Virginia Beach Geoprobe Site 62D 12

48-51.5		<1	Only recovery was what was in the shoe. The material is a poorly sorted, silty to med sand. Thin lenses of clayey silt or silty clay intercalated throughout. The water again had a sulfurous odor. The sample appeared to be extremely wet and probably ran out of the liner.
51.5-74.2			Driller Note: Hard drilling from appx 50 ft. Slightly easier around 67 ft. Difficult again 70 ft. Nearly stopped cold at 73 ft. This is most likely a good aquifer - probably a med sand.
74.2-75		50	Lost upper foot during retrieval. Material is a v fine to med sand w/ abundant mica and dark minerals.